

Chemical Compatibility Guide

Guide Applicable to the Following:

PIG DrainBlocker Drain Cover with DuPont Elvaloy

Guide Information:

This report is offered as a guide and was developed from information which, to the best of New Pig's knowledge, was reliable and accurate. Due to variables and conditions of application beyond New Pig's control, none of the data shown in this guide is to be construed as a guarantee, expressed or implied. New Pig assumes no responsibility, obligation, or liability in conjunction with the use or misuse of the information.

Due to the nature of soft urethane, the physical properties of these products may change with exposure to certain environmental conditions like temperature, humidity and UV radiation. Please inspect the stored product regularly to ensure it is in a usable state. Do not store or use in temperatures exceeding 120°F(49°C) for an extended period of time. Typical life expectancy of urethane products is about five years.

Due to the composite construction of PIG DrainBlocker Drain Cover with DuPont Elvaloy, some chemicals may react differently.

Sealing properties may be compromised when exposed to chemicals that may be absorbed, causing swelling.

Degradation may result from chemical incompatibilities. Discoloration or degradation may occur.

Periodically inspect products when in use for proper seal.

Ratings/Key or Ratings – Chemical Effect

Degradation - Any physical change in the material: Swelling, discoloration, delamination, curling, etc.

Degradation Rating - 0 = None; 1 = Slight; 2 = Significant

Seal - Any change to the seal between the blocker and the sealing surface

Seal Rating - 0 = None; 1 = Slight; 2 = Significant

Overall Compatibility - The material's ability to resist chemical degradation and maintain a seal

Overall Compatibility Rating - Good = Can withstand 4 or more hours of chemical exposure

Fair = Can withstand 2-4 hours of chemical exposure

(ER) Emergency Response = Can withstand 30min. to 2 hours of chemical exposure

(NR) Not Recommended = Not recommended for use with this chemical

Note: Blocker products that have been chemically degraded may be considered hazardous waste because of their mixture with a hazardous liquid. Dispose of in accordance with Federal, State and Local requirements.

Due to variables and conditions beyond our control, New Pig cannot guarantee that this product(s) will work to your satisfaction. To ensure effectiveness and your safety, we recommend that you conduct compatibility and absorption testing of your chemicals with this product prior to purchase. For additional questions or information, contact New Pig.



New Pig

One Pork Avenue
Tipton, PA 16684-0304

newpig.com

North America: **1-800-468-4647**

Europe: **+31 (0)76 596 92 50**

China: **+86 21-64878500**

PIG, PIG logo are registered trademarks in USA and other countries. See tm.newpig.com

UK: **0800 919 900**

Outside North America: **+1-814-684-0101**

Chemical Name	Chemical Class	Degradation Rating	Seal Rating	Overall Compatability Rating	Comments
Acetone	Ketone	1	0	Good	Vinyl started to delaminate after 15 minutes, urethane had slight swelling after four hours
Chlorine Standard Solution (1000ppm)	Halogen	0	0	Good	
Ethanol (95%)	Alcohol	0	0	Good	
Hydraulic Fluid	Aliphatic Hydrocarbon	0	0	Good	
Hydrochloric Acid (18.5%)	Inorganic Acid	0	0	Good	
Hydrogen Peroxide (30%)	Peroxide	0	0	Good	
Isopropyl Alcohol	Hydroxylic Compound	0	0	Good	
Mineral Oil	Petroleum Hydrocarbon	0	0	Good	
Chlorine Bleach (5% Sodium Hypochlorite)	Inorganic Halogen	1	0	Good	Urethane had slight discoloration and became tacky after four hours
Sodium Hydroxide (40%)	Inorganic Base	0	0	Good	
Sulfuric Acid (50%)	Inorganic Acid	1	0	Good	Urethane discolored and became tacky after four hours
Xylene	Aromatic Hydrocarbon	1	0	Good	Vinyl started to delaminate after 30 minutes urethane had slight swelling after four hours
*Gasoline	Petroleum Hydrocarbon	1	0	Good	Minor color change in vinyl after four hours
*Antifreeze	Glycol Ether	0	0	Good	
*Diesel Fuel	Petroleum Hydrocarbon	1	0	Good	Minor color change in vinyl after four hours

Tests were run per New Pig Corporation Test Procedure #0002; *except those marked with an asterisk which were run using New Pig Test Procedure #0003. All tests exposed each chemical to a drain cover for a minimum of four hours.



New Pig

One Pork Avenue
Tipton, PA 16684-0304

newpig.com

North America: **1-800-468-4647**

Europe: **+31 (0)76 596 92 50**

China: **+86 21-64878500**

PIG, PIG logo are registered trademarks in USA and other countries. See tm.newpig.com

UK: **0800 919 900**

Outside North America: **+1-814-684-0101**